


Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application No.	10/822,563
				Filing Date	April 8, 2004
				First Named Inventor	Baki Acikel
				Art Unit	<del>Not yet known</del> 2823
				Examiner Name	<del>Not yet known</del> Maldonado
Sheet	1	of	3	Attorney Docket Number	22994-07841

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number - Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-5,721,700	02-24-1998	Katoh
		US-5,790,367	08-04-1998	Mateika et al.
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		US-6,383,858 B1	05-07-2002	Gupta et al.
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY.	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>

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		Acikel, Baki et al., "A New High Performance Phase Shifter using (Ba,Sr) <sub>1-x</sub> TiO <sub>3</sub> Thin Films," <i>IEEE Microwave and Wireless Components Letters</i> , Vol. 12, No. 7, July 2002, pages 237-239.			
	1	Acikel, Baki et al., "BST Varactor Design and Fabrication," project funded by DARPA FAME Program, 1 page [online], [retrieved on 2004-06-28]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Devices/bstdevicedesign.htm">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Devices/bstdevicedesign.htm</a> >.			
	2	Acikel, Baki et al., "Overview of Program," DARPA FAME Program, 8 pages [online], [retrieved on 2004-06-23]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Devices/DeviceDesign.pdf">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Devices/DeviceDesign.pdf</a> >.			
	3	Acikel, Baki et al., "Technology Comparison," DARPA FAME Program, 6 pages [online], [retrieved on 2004-06-23]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Devices/VaractorComparison.pdf">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Devices/VaractorComparison.pdf</a> >.			

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OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS				
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ER		Erker, Erich G. et al., "Monolithic Ka-Band Phase Shifter Using Voltage Tunable BaSrTiO <sub>3</sub> Parallel Plate Capacitors," <i>IEEE Microwave and Guided Wave Letters</i> , Vol. 10, No. 1, January 2000, pages 10-12.		
	4	IMS2000 Workshop "Ferroelectric Materials and Microwave Applications," 1 page [online], [retrieved on 2004-06-28]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/IMS2000%20Workshop/ims2000_workshop.htm">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/IMS2000%20Workshop/ims2000_workshop.htm</a> >.		
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		Liu, Yu et al., "High-performance and Low-cost Distributed Phase Shifters Using Optimized BaSrTiO <sub>3</sub> Interdigitated Capacitors," Electrical and Computer Engineering Dept., Materials Dept., University of California at Santa Barbara, Santa Barbara, CA 93106, 14 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm">http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm</a> >.		
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		Padmini, P. et al., "Realization of High Tunability Barium Strontium Titanate Thin Films by RF Magnetron Sputtering," <i>Applied Physics Letters</i> , Vol. 75, November 1999, pages 3186-3188.		
		Serraicocco, J. et al., "Tunable Passive Integrated Circuits Using BST Thin Films," presented at IFFF 2002, International Joint Conference on the Applications of Ferroelectrics, Kyoto, Japan, May 2002, 10 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm">http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm</a> >.		
		Taylor, T.R. et al., "Impact of thermal strain on the dielectric constant of sputtered barium strontium titanate thin films," <i>Applied Physics Letters</i> , Vol. 80, No. 11, 18 March 2002, pages 1978-80.		
		Taylor, T.R. et al., "Optimization of RF Sputtered Barium Strontium Titanate (BST) Thin Films for High Tunability," presented at MRS Conference, Fall 1999, 2 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm">http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm</a> >.		
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ER	6	Taylor, Troy et al., "BST Growth Optimization," project funded by DARPA FAME Program, 2 pages [online], [retrieved on 2004-06-28]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Materials/growthopt.htm">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Materials/growthopt.htm</a> >.		

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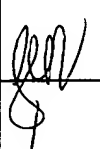
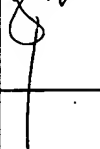
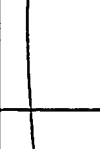
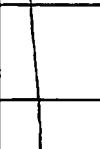


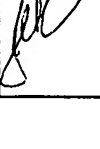
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		Examiner Name	Not yet known Maldonado		
Sheet	3	of	3	Attorney Docket Number	22994-07841

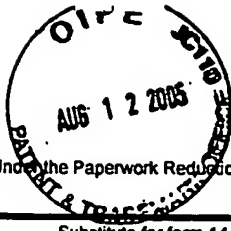
OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS			
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	7	Taylor, Troy et al., "Loss Model for BST Test Capacitors," DARPA FAME Program, 6 pages [online], [retrieved on 2004-06-23]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Materials/LowFrequency.pdf">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Materials/LowFrequency.pdf</a> >.	
	8	Taylor, Troy et al., "Materials Issues To Be Explored," DARPA FAME Program, 10 pages [online], [retrieved on 2004-06-23]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Materials/growth.pdf">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/Materials/growth.pdf</a> >.	
	9	York, Bob et al., "Thin-Film Ferroelectrics: Deposition Methods and Applications," presented at the International Microwave Symposium in Boston, MA, June 2000, page 20 [online], [retrieved on 2004-06-23]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/IMS2000%20Workshop/Bob-oral.pdf">http://my.ece.ucsb.edu/yorklab/Projects/Ferroelectrics/IMS2000%20Workshop/Bob-oral.pdf</a> >.	
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		York, R. et al. "Microwave Integrated Circuits using Thin-Film BST," presented at ISAF Conference, Honolulu, Hawaii, July 21-August 2, 2000, 6 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm">http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm</a> >.	
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		York, Robert A. et al., "Thin-Film Phase Shifters for Low-Cost Phased Arrays," presented at Workshop on Affordability and Cost Reduction for Radar Systems, Huntsville, Alabama, April 2000 and at URSI Conference, Salt Lake City, Utah, July 2000, 10 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: <a href="http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm">http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm</a> >.	

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				Art Unit	2811 2823
				Examiner Name	<del>Junghwa M. Im</del> Maldonado
Sheet	1	of	31	Attorney Docket Number	22994-07841

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number - Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
<i>[Signature]</i>		US-6,377,440	04-23-2002	Zhu et al.
		US-6,737,930	05-18-2004	Toncich

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